

# H1242 Series



H1242 series standard precise slip ring, integrated structure design, with through hole 12.7mm , OD42mm , suitable for rotating application which requires a through hole  $\leq 42\text{mm}$  (remark: if need a hole  $< 12.7\text{mm}$ , can add a inner bushing)

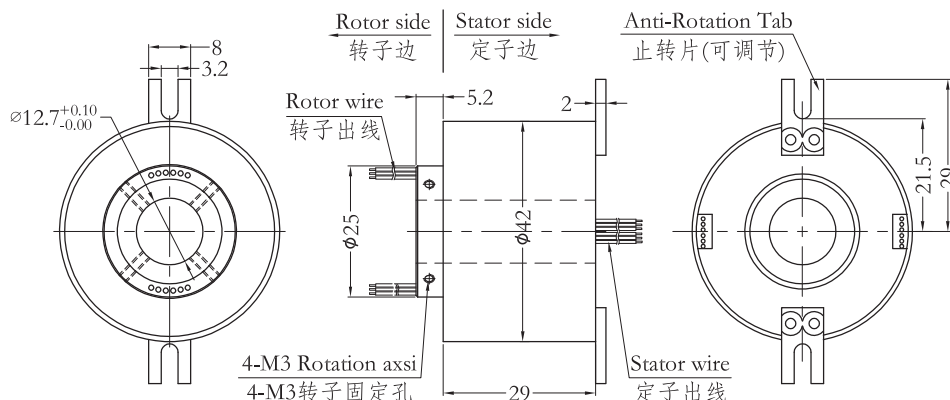
## Part No. Description

H1242 - Signal circuits no. - Erodect grade

H:through hole slip ring  
1242:ID 12.7mm, OD 42mm

Example:  
06S:6circuits signal (0~2A)  
12S:12circuits signal (0~2A)

Example:  
C: standard level  
D:Industrial level  
H:High quality level



## Standard Model List

H1242 series model list		
Part no.	Circuits no. (signal or 0~2A)	Length L(mm)
H1242-02S	2	23.5
H1242-03S	3	23.5
H1242-04S	4	23.5
H1242-06S	6	23.5
H1242-08S	8	29
H1242-10S	10	29
H1242-12S	12	29

\*Remark: Circuits can be combined in parallel for bigger current, N circuits of 2A to get  $N \times 2\text{A}$ , such as 2 circuits of 2A in parallel for 4A use.

## Technical Specification

Mechanical		Electrical	
Spec	Data	Spec	Data
Working life	pls refer to product grade table	Rated voltage	0~240VAC/VDC
Rotating speed	pls refer to product grade table	Insulation resistance	$\geq 500\text{M}\Omega$ /500VDC
Working temp.	-30°C~80°C	Lead wire spec.	AWG26# Silver-plated teflon
Work humidity	0~85% RH	Lead wire length	standard 300mm(can be customized)
Contact material	pls refer to produce grade table	Dielectric Strength	500VAC@50Hz, 60s
Housing material	AL alloy	Electrical noise	$< 0.01\Omega$
Torque	0.05N.m (+0.02N.m/6circuits)		
IP grade	IP51		

## Product Grade Table

Grade code	Max rotating speed	Working life	Contact material
C:standard	250RPM	20millisons revolutions	precious metal
D:industrial	600RPM	60millisons revolutions	precious metal
H:high quality	1000RPM	150millisons revolutions	gold alloy